In the Claims

1 **Please amend Claim 1 as follows.**

2   1.   (**Currently Amended**) A comparator unit comprising:

3   a first comparator responsive to a first <u>address</u>

4 signal group <u>and to first control signals</u>, the first

5 comparator determining when <u>one of a plurality</u>

6 ~~predetermined relation~~ <u>selected characteristics</u> ~~is~~ <u>are</u>

7 present ~~to a~~ <u>in the</u> first ~~reference~~ <u>address</u> signal group;

8   a second comparator responsive to a second <u>address</u>

9 signal group <u>and to second control signals</u>, the second

10 comparator determining when second <u>of</u> ~~a predetermined~~

11 ~~relation~~ <u>the plurality of selected characteristics</u> is

12 present ~~to a~~ <u>in the</u> second ~~reference~~ <u>address</u> signal group;

13 and

14   a second inter-comparator conductor, the second inter-

15 comparator conductor applying an indicia of an

16 identification of the second ~~predetermined condition~~

17 <u>selected characteristic</u> to <u>the</u> first comparator, the first

18 comparator generating an event signal when the first and

19 the second ~~predetermined conditions~~ <u>selected</u>

20 <u>characteristics</u> are identified.

21

22 **Please amend Claim 2 as follows.**

23   2.   (**Currently Amended**)   The comparator unit as

24 recited in claim 1 wherein the first and the second <u>address</u>

25 signal groups are the same <u>address signal groups</u>.

26

1   **Please amend Claim 3 as follows.**

2   ~~3.~~   **(Currently Amended)** The comparator unit as

3   recited in claim 1 wherein the first and second ~~signal~~

4   ~~groups~~ selected characteristics are ~~address signal groups~~

5   selected from the group consisting of an exact

6   characteristic, a touching characteristic, a touching less

7   than the address signal and a touching greater than the

8   address signal.

9

10 **Please amend Claim 4 as follows.**

11   4.   **(Currently Amended)** The comparator unit as

12 recited in claim 1 ~~wherein the first and the second signal~~

13 ~~groups are same address signal group~~ further comprising a

14 data qualification unit, the data qualification unit

15 providing an enabling signal when the data accessed by the

16 associated address has a predetermined relationship.

17

18   5.   **(Original)**   The comparator unit as recited in

19 claim 1 wherein either one of the first and the second

20 comparator can generate an event signal when at least one

21 of a touching requirement and an exact requirement is

22 satisfied by an applied address signal group.

23

24 **Please amend Claim 6 as follows.**

25   6.   **(Currently Amended)** A comparator unit comprising:

26   a first comparator and a second comparator, each

27 comparator including:

28   a comparison logic unit for comparing an input

29 address signal group with a control address signal group to

30 determine ~~with a predetermined condition~~ when a selected

1   one of a plurality of characteristics is ~~identified~~
2   present; and

3   an event signal ~~generating~~ generation unit, the
4   comparison logic unit applying a signal to the event
5   ~~generator~~ generation unit and to the event signal
6   ~~generating~~ generation unit of the other comparator when the
7   ~~predetermined condition~~ selected characteristic is
8   identified, the event ~~generating~~ generation unit generating
9   an event signal when the signals from the two ~~comparator~~
10 ~~logics~~ comparators have predetermined values identifying
11 the selected characteristic associated with each
12 comparator.

13

14   7.   (Original)   The comparator unit as recited in
15 claim 6 wherein each comparator includes a data qualifying
16 unit, the data qualifying unit responsive to an input
17 signal, the input signal determining when a preestablished
18 signal group has certain characteristics, the data
19 qualifying unit applying a control signal to the comparison
20 logic unit determining whether generation of an event
21 signal is enabled.

22

23 **Please amend Claim 8 as follows.**
24   8.   (**Currently Amended**) The comparator unit as
25 recited in claim 6 wherein the ~~input signal groups are~~
26 ~~address signal groups~~, the ~~predetermined conditions each~~
27 ~~reference an address signal group~~ selected characteristics
28 are selected from a group consisting of an exact
29 characteristic and a touching characteristic.

30

1   9.   (Original)   The comparator unit as recited in
2   claim 8 wherein the address signal groups are the same
3   signal group.

4

5   **Please amend Claim 10 as follows.**
6   10.   (Currently Amended) The comparator unit as
7   recited in claim 6 wherein the ~~predetermined conditions~~
8   selected characteristics are entered in the ~~comparator~~
9   comparison logic unit by control signals.

10

11   11.   (Original)   The comparator as recited in claim
12   10 wherein each comparator can operate independently, each
13   comparator capable of generating an event signal in
14   response to at least one of a touching requirement and an
15   exact requirement.

16

17   **Please amend Claim 12 as follows.**
18   12.   (Currently Amended) In a host processing unit,
19   ~~The~~ the method of determining when a first and a second
20   input address signal group each meets at least one
21   ~~predetermined condition~~ selected characteristic, the method
22   comprising:
23   determining in a first comparator when the first input
24   address signal group ~~meets~~ has a first ~~predetermined~~
25   ~~condition~~ selected characteristic relative to a first
26   reference address;
27   determining in a second comparator when the second
28   input address signal group ~~meets~~ has a second ~~predetermined~~
29   ~~condition~~ selected characteristic relative to a second
30   reference address; and

1   generating an output signal when the first and the

2   second predetermined conditions are met, the output signal

3   controlling the operation of the host processor.

4

5   **Please amend Claim 13 as follows.**

6   13. (Currently Amended) The method as recited in

7   claim 12 ~~wherein the first and the second input signal~~

8   ~~group are different address signal groups~~ further

9   comprising identifying the position in the program

10   execution with a program counter signal.

11

12   **Please amend claim 14 as follows.**

13   14. (Currently Amended) The method as recited in

14   claim 12 ~~wherein the first and the second input signal~~

15   ~~groups are the same address signal group~~ further comprising

16   applying a signal from a data qualification unit indicating

17   that the data signal group accessed at the input address

18   signal group has a predetermined relationship.

19

20   **Please amend Claim 15 as follows.**

21   15. (Currently Amended) The method as recited in

22   claim ~~12~~ 14 wherein the ~~at least one predetermined~~

23   ~~condition is selected from the group consisting of a~~

24   ~~touching requirement and an exact requirement~~ predetermined

25   relationship is determined by the relationship to a

26   reference data value.

1 **Please amend Claim 16 as follows.**

2   16. (Currently Amended) The method as recited in

3 claim 12 further comprising applying a signal to the

4 comparators indicative <u>of</u> an associated signal group

5 characteristic, the signal controlling generation of the

6 output signal.

7

8 **Please amend Claim 17 as follows.**

9   17.   (Currently Amended) In a target processor,

10 apparatus for generating a trigger signal, the apparatus

11 comprising:

12   a plurality of event signal generating units, wherein

13 at least one <u>of the event</u> signal generating ~~unit~~ <u>units</u> is a

14 comparator unit, the comparator unit including:

15   a first comparator and a second comparator, each

16 comparator having:

17   a comparison logic unit for comparing an

18 input <u>address</u> signal group with a control signal group <u>to</u>

19 <u>determine when</u> ~~a predetermined condition~~ <u>one of a plurality</u>

20 <u>of selected characteristics</u> is ~~identified~~ <u>present;</u> and

21   an event signal generating unit, the

22 comparison logic unit applying a signal to the event

23 ~~generator~~ <u>generating</u> unit and to the event signal

24 generating unit of the ~~other~~ <u>second</u> comparator when the

25 <u>selected characteristic</u> ~~predetermined condition~~ is

26 identified, the event generating unit generating an event

27 signal when the signals from the two comparator logics have

28 predetermined <u>logic</u> values.

1   a trigger generation unit coupled to the plurality of

2   event signal generation units, the trigger generation unit

3   responsive to at least one preselected event signal for

4   generating an associated trigger signal, the trigger

5   generation ~~generating~~ unit generating a trigger control

6   signal <u>for initiating a test procedure</u>.

7

8   **Please amend Claim 18 as follows.**

9   18.   (**Currently Amended**) The target processor as

10   recited in claim 17 wherein the comparator unit receives a

11   program counter address input signal <u>identifying the</u>

12   <u>position in the program execution</u>.

13
14
15   **Please amend Claim 19 as follows.**

16   19.   (**Currently Amended**) The target processor as

17   recited in claim 17 wherein one comparator receives a

18   program counter address counter address input signal and

19   the second comparator ~~received~~ <u>receives</u> an address signal

20   group referenced the program counter address.

21

22   **Please amend Claim 20 as follows.**

23   20.   (**Currently Amended**) The target processor as

24   recited in claim 17 wherein the preselected condition is

25   selected from the group consisting of a touching

26   requirement<u>,</u> ~~and~~ an exact requirement<u>, and a combination of</u>

27   <u>an exact requirement and a touching requirement</u>.